



BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

MODIFIED ESTIMATE FOR CONSTRUCTION

**Name of the Work : OF HOUSPITAL BUILDING AT GOVT. SCHOOL
ROAD JAKKUR IN WARD NO 05. JAKKUR.**

Modified : 16,95,612.73
Estimated Cost

Work Code : 005-18-000080

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YALAHANKA ZONE

BYATARAYANAPURA SUB DIVISION

MODIFIED ESTIMATE FOR CONSTRUCTION OF HOUSPITAL BUILDING AT GOVT. SCHOOL ROAD
JAKKUR IN WARD NO 05. JAKKUR.

ESTIMATED COST: **17,00,000.00**

Sl No	Specification	Unit	No	Measurement			Qty	Rate	Amount
				Length	Breadth	Depth			
1	2	3	4	5	6	7	8	9	10

1 KSRB2-1.2Earthwork in surface excavation ordinary soil for leveling and lowering the ground(other than foundation of buildings, culverts,road drains and trenches for pipe lines and cables)and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m ecavated surface levelled and neatly dressed,disposed earth to be levelled after breaking of and neatly dressed as per specification. Specification NO KBS 2.1(b)/2.3.1 Page No-5 item No 2.1 Page No 5 Cum

			1	20.00	10.00	0.20	40.00		
As per Tender Qty 40.00							40.00	169.56	6782.40

2 KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 Item No 2.4 Page No 5 Cum

	Allround Walls	1	48.52	0.90	1.05	45.85			
	Both & Toilet Partetion	1	8.58	1.50	0.30	3.86			
	Earth Cutting	1	3.62	1.50	0.30	1.63			
As per Tender Qty 51.34							NET QTY	51.34	305.64
									15691.99

3 KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Item No 4.3 Page No 12. Cum

	Allround Walls	1	48.52	0.90	0.15	6.55			
	Both & Toilet Partetion	1	8.58	0.70	0.15	0.90			
	Earth Cutting	1	3.62	0.75	0.15	0.41			
	For Road Concrete	1	22.00	4.50	0.15	14.85			
As per Tender Qty 7.86							NET QTY	22.71	
up to 125% Qty 9.82							9.82	5256.36	51617.46
above 125% Qty							12.89	5256.36	67745.81

4 KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Item No 5.6 Page No 23.

		1	48.52	0.75	0.4	14.56			
		1	8.58	0.5	0.4	1.72			
As per Tender Qty 16.27							NET QTY	16.27	4521.96
									73581.33

5 KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Item No 5.9 Page No 23.

		1	48.52	0.45	0.6	13.10			
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	1	8.58	0.45	0.45	1.74			
As per Tender Qty 14.84			NET QTY	14.84	5405.40	80204.51		

KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillers, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 Item No 4.11

	1	48.52	0.45	0.10	2.18		
	1	8.58	0.45	0.10	0.39		
	1	56.60	0.20	0.20	2.26		
	1	9.80	0.20	0.20	0.39		
	8	1.20	0.20	0.10	0.19		
	3	0.75	0.20	0.10	0.05		
	1	4.20	1.35	0.10	0.57		
Window Chejjas	8	1.20	0.45	0.08	0.32		
Partation Walls Floor Beams	4	1.50	0.2	0.30	0.36		
Floor Beams	1	48.52	0.20	0.30	2.91		
Main Beem	1	4.90	0.20	0.30	0.29		
Roof	1	15.40	0.25	0.45	1.73		
	1	15.40	6.75	0.15	15.59		
	1	22.00	4.50	0.10	9.90		

As per Tender Qty 27.24

up to 125% Qty 34.05

above 125% Qty

NET QTY 37.14

34.05	6491.88	221048.51
3.09	6491.88	20083.93

KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification. No. KBS 2.10.2 Item No 2.13 Page No 6.

Both	1	1.6	1.3	0.35	0.73		
Passage	1	1.3	1.15	0.35	0.52		
Toilet	1	1.3	1.15	0.35	0.52		
Word	1	4.7	4.4	0.4	8.27		
Examination	1	6.15	3.55	0.4	8.73		

As per Tender Qty 18.78

18.78	2305.80	43301.77
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KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqmm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Item No 5.27. Page No 25

2	15.4	3	92.40		
4	6.35	3	76.20		
1	4.9	3	14.70		
2	1.5	3	9.00		

1	1.7	3	5.10
1	1.5	3	4.50
1	4.2	0.6	2.52
2	6.35	0.6	7.62

212.04

DEDUCTIONS	1.00	2.00	2.10	4.20
D1	2.00	0.90	2.10	3.78
D2	3.00	0.75	2.10	4.72
W	8.00	0.90	1.20	8.64
V	4.00	0.60	0.45	1.08
	1.00	4.90	0.30	1.47
	3.00	0.25	0.45	0.34

24.23

As per Tender Qty 187.81

187.81

979.56

183973.61

9 KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Item No 4.46.1

Qntl

120 Kg/Cum

122.00 37.14

4531.53

As per Tender Qty 6.91

4.53

60534.00

274311.72

10 Supplying and fixing pressed steel door frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4. Page No 40 Item No 7.26

Doors

2 0.90

2.10 3.78

As per Tender Qty 3.78

Net Qty

3.78

3780.00

14288.40

11 "Supplying and fixing pressed steel window frame of size 100 x 50mm manufactured from 1.25 mm thick carbon steel or imported steel strips with neat mitred joints at 90degree for window openings and shall be suitable to fix M.S. grills as per design and drawings using 12mm dia rods at 100mm Centre to Centre horizontally and two members of M.S flats of 6mmx40mm size at 150mm apart, welded into a frame of 6mmx40mm size M.S. flats with 16mm size lugs, and 8 Nos. of 100mm size hinges, 4 Nos of Butt Stay pins and 4 Nos. Tower bolts and shutters half panelled and half glazed with shutters made out of seasoned honne wood, styles of 30mm thick and 100mm width and rails of 30mm thick and 100mm width and using 4mm thick pin headed glass and panel, filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof vermin proof, heat resistant guaranteed against shrinkage, warp age and such other defects for a period of 3 years. This shall be as per approved drawing, specification and direction including cost of conveyance, manufacturing painting with 2 coats enamel paint over one coat of primer, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift loading and unloading etc., complete. Item No 7.27 Page No 40

W	8	0.9	1.2	8.64		
V	5	0.6	0.45	1.35		
As per Tender Qty 9.99			9.99	4104.00	40998.96	

12 KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons, up to 3.50m from Ground level. Specification No. KBS 4.6.2 Item No 4.18 page No 15

Both	1	1.8	1.5	2.7		
Toilet	1	1.5	1.3	1.95		
Word	1	4.9	4.6	22.54		
Both Side	2	4.9	0.45	4.41		
Hall	1	6.35	3.75	23.81		
	2	3.75	0.45	3.38		
	1	5.95	4.65	27.67		
	1	4.25	1.7	7.23		
	2	5.95	0.45	5.36		
As per Tender Qty 99.035			Net Qty	99.035	338.04	33477.79

13 KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Item No 4.34 Page No 16

	2	48.52	0.1	9.70		
	2	10.7	0.1	2.14		
	2	48.52	0.2	19.41		
	2	9.80	0.20	3.92		
	1	4.20	1.35	5.67		
	8	1.20	0.45	4.32		
As per Tender Qty 45.16			Net Qty	45.16	276.48	12486.39

14 KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.21 page No 114.

	1	1.80	1.5	2.70		
	1	1.70	1.35	2.295		
					Sqm	

1	1.50	1.3	1.95
1	4.90	4.6	22.54
1	6.35	3.75	23.81
1	5.95	4.65	27.67
1	4.25	1.7	7.23
1	1.50	1.5	2.25

As per Tender Qty 90.44

90.44

208.44

18851.31

15 KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.9 Page No 113.

2	1.80	3.00	10.80
2	1.50	3.00	9.00
2	1.70	3.00	10.20
1	1.30	3.00	3.90
2	1.30	3.00	7.80
2	1.50	3.00	9.00
2	4.90	3.00	29.40
2	4.60	3.00	27.60
2	3.75	3.00	22.50
2	6.35	3.00	38.10
1	5.95	3.00	17.85
1	4.25	3.00	12.75
1	4.65	3.00	13.95
1	6.35	3.00	19.05
4	1.50	3.00	18.00
2	15.00	0.60	18.00
2	6.35	0.60	7.62
2	4.90	0.45	4.41
2	3.75	0.45	3.38
2	5.95	0.45	5.36
1	4.20	1.35	5.67

294.33

DEDUCTION	1	2.00	2.10	4.20
	4	0.90	2.10	7.56
	6	0.75	2.10	9.45
	8	0.90	1.20	8.64
	5	0.60	0.45	1.35
				31.20

As per Tender Qty 263.13

Tonne 263.13 195.48 51436.65

16 KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Item No 15.33 Page No 115

Vide Item No 14 + 15

As per Tender Qty 353.57

353.57 27.00 9546.39

17 KSRB15-3.4 : Providing 15mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.12 page No 113

2	15.40	3.75	115.50
2	6.75	3.75	50.63
2	15.40	0.20	6.16
2	6.35	0.20	2.54
1	4.20	1.35	5.67
2	1.35	0.10	0.27
16	1.20	0.45	8.64
16	0.45	0.10	0.72
8	1.20	0.10	0.96
			191.09

Deductions	1	2.00	2.10	4.20
	8	0.90	1.20	8.64
	5	0.60	0.45	1.35
				14.19

As per Tender Qty 176.90

176.90 221.40 39164.55

18 KSRB 4-1.4 : Providing and laying in position plain cement concrete of mix 1:5:10 with OPC cement @ 160kgs, with 40mm and down size graded granite metal coarse aggregates @0.86cum and fine aggregates @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Item No 4.4 Page No 12.

1	1.60	1.30	0.10	0.21
1	1.30	1.15	0.10	0.15
1	1.30	1.10	0.10	0.14
1	4.70	4.40	0.10	2.07
1	6.15	3.55	0.10	2.18
1	5.75	4.45	0.10	2.56
1	4.05	1.50	0.10	0.61

	1	1.30	1.30	0.10	0.17			
As per Tender Qty 8.09					8.09	5099.76	41241.76	

19 Providing and fixing colour glazed tiles all sizes 10mm thick for flooring trades of steps and landing laid on a bed of 12mm thick cement mortar 1:3 mix Flush pointing using white cement with Matching colour pigment including cost of materials labours curing complete as per specification Item No 14.36.1 Page No 106

	1	1.80	1.50		2.70			
	1	1.70	1.35		2.30			
	1	1.50	1.30		1.95			
	1	1.50	1.50		2.25			
	3	0.75	0.20		0.45			
As per Tender Qty 9.65					9.65	999.00	9635.36	

20 KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 15x15 cms 6mm thick Item No 14.41.1 Page No 106

Wash	2	1.80		2.00	7.20			
	2	1.50		2.00	6.00			
	2	1.50		2.00	6.00			
	2	1.30		2.00	5.20			
	4	1.50		2.00	12.00			
					36.40			
Deduction (-) -D								
Door	3	0.70		2.00	4.20			
As per Tender Qty 32.20					32.20	1157.76	37279.87	

21 KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Item 15.49.1 Page No 117.

	ITEM NO 16							
As per Tender Qty 353.57				Net Qty	353.57	76.68	27111.75	

22 KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Item No 15.53.1

As per Tender Qty 176.90			Sqm	176.90	90.72	16047.91		
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23 KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Item No 12.2 Page No 77.

	20			20.00				
As per Tender Qty 20.00				20.00	4682.88	93657.60		

KSRB 11-7.1 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Item No 12.7 _Page No 78.

	3	3.00		
As per Tender Qty 3.00		3.00	4456.08	13368.24

KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Item No 12.23 Page No 80.

	3	3.00		
As per Tender Qty 3.00		3.00	4196.88	12590.64

KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 15mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8 Item No 13.1 Page No 90

	1	50.00	50.00		
As per Tender Qty 50.00			Net Qty	50.00	199.80
					9990.00

Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. Item No 37.58. Page No 265.

	1	1000.00	1000.00		
As per Tender Qty 1000.00			Net Qty	1000.00	6.48
					6480.00

KSRB13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 Item No 13.27

	10	10.00	10.00		
As per Tender Qty 10.00			Net Qty	10.00	158.24
					1582.42

11% KRIDL Charges

Total Amount
1527579.04
168033.69
1695612.73

- 1 Estimate Sanction amount Rs =1700000.00
- 2 Tender Agriment Amount Rs =16,97,778.00 (Including KRIDL Charges)

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction
Accorded For Rs 16,95,612.73
Head of A/C P 32 SD
CER NO : 20A Dt: 25.09.2019